

GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA
(An Autonomous College u/s 2 (f) and 12 (B) of UGC Act 1956)
DEPARTMENT OF MECHANICAL & PRODUCTION ENGINEERING

PUBLICATIONS IN INTERNATIONAL/NATIONAL CONFERENCE

S. No.	Name of Faculty	Title of Publication	Conference Paper Name, Vol., Iss., pp.	ISBN/ ISSN (if any)	DOI (if any)
2021					
1	Dhand Deepak, Kumar Parlad, Grewal J. S	The microstructural characterization and wear behaviour of HVOF sprayed nickel-alumina coatings on boiler grade steel	International conference on materials, energy and mechanical engineering (ICME2- 2021), December 17-18, 2021, Madanapalle institute of Technology and Science, Madanapalle, India		
2	Sahni Kawalpreet, Grewal J. S.	Slurry erosion behaviour of WC-10Co-4Cr coated CF8M Turbine steel.	International conference on contemporary advances in mechanical engineering (ICCAME-2021), CGC Landra, Mohali.		
3	Kumar, N., Grewal, J. S., Kumar S.	Mechanical and Thermal Properties of NaOH treated Sisal natural fiber reinforced polymer composites: Barium uses as filler	ICAMSE 2021, PU Chandigarh 5-6 March 2021		
4	Sahni, Kanwalpreet, Grewal, J.S.	Slurry Erosion Behavior of WC-10Co-4Cr Coated CF8M turbine steel”, 3rd International Conference on Contemporary Advances in Mechanical Engineering	3rd International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2021), CGC Landran, 2021		
2020					
1	Shehbaaz Singh Brar	High temperature corrosion and role of Al ₂ O ₃ .TiO ₂ coatings- A Review	International congress on sustainable development through engineering innovations, September 17-19, 2020		
2	Shehbaaz Singh Brar	A review on detonation gun sprayed coatings	International web conference on recent trends and developments in applied research and industrial practices, nov 20-21, 2020		
3	Shehbaaz Singh Brar	A review on LVOF sprayed coatings	International web conference on recent trends and developments in applied research and industrial practices, nov 20-21, 2020		
4	Dubey R, Kumar R , Bilga P S, Singh S.	Selection of Inverter Technology Air Conditioner: An Evaluation Based on Distance from Average Solution	International Conference on Sustainable Development through Engineering Innovations, Guru Nanak Dev Engineering College, Ludhiana, Punjab, India, pp. 96-103, 17 th – 19 th September 2020, Excel India Publisher, New Delhi ISBN: 978-93-89947-14-4	ISBN: 978-93-89947-14-4	

5	Singh Harmeet, Saini R.P., Saini J.S	Thermo-Hydraulic Performance of a Packed Bed Solar Energy Storage System	TEQIP-III sponsored International Congress on Sustainable Development through Engineering Innovations held on September 17-19, 2020 at GNDEC Ludhiana		
6	Kumar, N., Grewal, J.S., Singh, T.	Experimental investigation on dynamic mechanical characteristics of ramie and hemp fiber reinforced polyester composites	International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME 2020), 21 December 2020		
7	Kumar, N., Grewal, J.S., Singh, T.	Dynamic of mechanical characteristics of hemp fiber reinforced polyester composites	International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME 2020), 21 December 2020		
8	Kumar, N., Grewal, J.S., Singh, T.	Mechanical and thermal properties of chemically treated Kenaf natural fiber reinforced polymer composites	ICRSETM- 20 at Vaagdevi College of Engineering Bolikunta Warangal, 28 December 2020		
2019					
1	Singh, J.,and Watan, Z.	Application of Cryo-Treatment for Improving Machining Characteristics and Reduce Manufacturing Cost	International Symposium on Synthesis, Characterization & Processing of Inorganic, Bio and Nano Materials (SCPINM 2019), 2019		
2	Singh, J.,and Singh, H.	Enigma of Technology Awareness & Its Impact in Forging Industry of Northern India- A Case Study	International Mech. Engineering Congress (IMEC-2019),2019,pp.153		
3	Kumar R , Bilga P S, Singh S	Optimization of Turning Parameters Using Taguchi Method for Reducing Active Cutting Energy	7 th International Conference on Advancements in Engineering and Technology (ICAET-2019), Bhai Gurdas Institute of Engineering & Technology, Sangrur, Punjab, India, pp. 201-205, 15th & 16th March, 2019.		
4	Kumar R , Kaur S	Multi Attribute Decision Making Approach to Select Microwave Oven with TOPSIS Method	7 th International Conference on Advancements in Engineering and Technology (ICAET-2019), Bhai Gurdas Institute of Engineering & Technology, Sangrur, Punjab, India, pp. 357-361, 15th & 16th March, 2019.		
2018					
1	Singh Satjot	Study of surface morphology of Al ₂ O ₃ +40%TiO ₂ and Al ₂ O ₃ +13%TiO ₂ coatings	International conference on advancements and futuristic trends in mechanical and materials engineering(AFTMME)	778-83-86691-57-7	
2	Singh Gurwant	TQM Practices in Automobile Industry of Northern India – An Emperical Investigation	132nd ISERD International Conference held in Ottawa , Canada on Aug. 27-28, 2018		
3	Singh, J.,and Singh, H.	Enigma of Technology Awareness in Forging Industry of Northern India	International conference of the Society of Operations Management (SOM-2018), 2018, pp.63.		

4	Kumar R, Bilga P S, Singh S	Optimization of Active Cutting Power Consumption for Rough Turning of EN 353 Alloy Steel by Taguchi Method	4 th International Multi-Track Conference on Sciences, Engineering & Technical Innovations, CT Group of Institutions Jalandhar, Punjab, India, pp. 421-426, October, 5-6, 2018. (Received Best Paper Award)		
5	Kumar R, Bilga P S, Singh S	Optimization and Modeling of Active Power Consumption for Turning Operations	19 th ISME Conference on Advances in Mechanical Engineering (Mechanical Systems and Sustainability). December 20 th -22 nd , 2018, at Dr. B. R. Ambedkar NIT, Jalandhar		
6	Singh, A., Singh, L., Singh, S., and Singh, H.	A Review Study on Biodynamic Response of Seated Occupants Exposed to Whole Body Vibration	Proceedings R.H.M. Goossens (ed.) Advances in Social & Occupational Ergonomics, Advances in Intelligent Systems and Computing 605 (Springer International Publishing AG 2018)	DOI 10.1007/978-3-319-60828-0_25	
2017					
1	Singh Harmeet	Effects on Stratification in a Packed Bed Solar System	104 th Indian Science Congress, S.V University, Tirupati, Jan 3-7, 2017	----- ---	----- -----
2	Brar S.S., Brar G.S. and Chawla V.	High Temperature Corrosion and Role Of Plasma Spray Coatings- A Review	IJLTET, Special Issue AFTMME-2017, pp. 046-057	2278-621X	
3	Singh S, Grewal J S	Effect of varying load on DLC/AlCrN-based coated AISI D2 Die steel at constant sliding velocity	ASME International Mechanical Engineering Congress and Exposition, 58493, V014T11A027, 2017		
4	Singh J., Gill S.S., and Sahni K.	Assessment of lean tools implementations In auto parts industries of Ludhiana	National Conference on Production Engineering(COPE-2016)(Published In Serial Publications Vol.9 issue-1,Jan-17), pp.239-245.		
5	Singh J	Comparative study of Job satisfaction between staff and labor in an industry-A survey	104 th Indian Science Congress (ISC-2017), 3-7 th Jan.2017,pp.18		
6	Kaur G	An Experimental Study on the Shunting Effect in Resistance Spot Welding of Mild Steel	National Conference on Production Engineering at GNDEC, Ludhiana. I J A M R© Serials Publications 9(2) 2017 : July- December, pp. 57-60		
7	Kumar,R., Singh, A. and Singh, H.	Vendor Selection in Automotive Sector: A Case Study	Proceedings of International Conference on Emerging Trends in Mechanical & Industrial Engineering (ICETMIE-2017) held at The Northcap University, Gurgaon, Haryana, India from October13-14, 2017.		
8	Jain, A., Singh, H. and Bhatti, R.S.	Justification of Most appropriate TPM strategy for manufacturing performance improvement of Indian SMEs: An analytical Hierarchy Process (AHP)	Proceedings of International Conference on Emerging Trends in Mechanical & Industrial Engineering (ICETMIE-2017) held at The Northcap University, Gurgaon, Haryana, India from October13-14, 2017.		

9	Singh, D., Singh, H., Singh, J. and Kumar, R.	Exploring the relationship between dimensions of Quality Management Practices and Business Performance	Proceedings of International Conference on Emerging Trends in Mechanical & Industrial Engineering (ICETMIE-2017) held at The Northcap University, Gurgaon, Haryana, India from October13-14, 2017.		
10	Jagdeep Singh	Assessment of lean tools implementations In auto parts industries of Ludhiana	National Conference on Production Engineering(COPE-2016)(Published In Serial Publications Vol.9 issue-1,Jan-17)	----- ---	----- -----
11	Singh J P, Dhingra D D	Utilization of Quality Control Tools in reducing rejections in aggressive Industrial Environment: A Review	46 th ISTE Annual National Conference & Convention, 2017	----- ---	----- -----
2016					
1	Singh, G., Singh, J. and Singh, H.	Performance Improvement of Manufacturing Unit using Six Sigma DMAIC approach	Proceedings of International Conference on Latest Development in Materials, Manufacturing and Quality Control, GZSPTU Campus, Bathinda, 2016	----- ---	----- -----
2	Jain, A., Bhatti R.S. and Singh, H.	Total Productive Maintenance (TPM) – An approach for Indian SMEs to improve manufacturing Performance	Proceedings of 2 nd International Conference on Innovative Advancements in Engineering and Technology (IAET-2016) held at Jaipur National University, Jaipur (in association with Myongji University, South Korea), Rajasthan Paper ID PN_ME 1602, 2016	----- ---	----- -----
3	Jain, A., Bhatti R.S. and Singh, H.	A Graph Theoretic Approach to Identify Human Related Success Factors for TPM Implementation	Proceedings of 4 th International Conference on Production and Industrial Engineering (CPIE-2016) at Dr. B. R. Ambedkar National Institute of Technology Jalandhar (India, 2016.	----- ---	----- -----
4	Kapoor D, Kapoor J, Singh A	Study the Corrosion Resistance of Cerium Substituted Silicate-Zirconium Sol-gel Protective Coating on SS-304 Boiler Steel	4 th International Conference on Production and Industrial Engineering, CPIE-2016	----- ---	----- -----
5	Singh H, Saini R.P, Saini J.S	Performance of a Packed Bed Solar Energy Storage System Having Rectangular Elements as Storage Material	International Conference on Recent Innovations in Engineering and Technology (ICRIET), Kuala Lumpur, Malaysia,2016	978-93-86291-07-3	----- -----
6	Singh H	Experimental Investigation of a Packed Bed Solar Energy Storage System	103 rd Indian Science Congress, University of Mysore, Mysuru, 2016	----- ---	----- -----

7	Sandhu A S	Cost Reduction Using Analysis for a Rickshaw Steering Bar	84 th The IIER International Conference, 2016	978-93-86291-07-3	----- -----
8	Sandhu A S	Assessment of Kaizen Tools and Techniques in a Manufacturing Industry- A Case Study	103 rd Indian Science Congress, 2016	----- ---	----- -----
9	Singh G, Singh J, Singh H	Performance improvement of a manufacturing unit using six sigma dmaic approach- a case study	International Conference on Latest Developments in Materials, Manufacturing and Quality Control (MMQC-2016)	978-93-5212-858-7	----- -----
10	Kumar A, Pannu A S	Effect of Hard Surface Coatings on the wear rate of grey cast iron (ASTM 25) applicable to forging hammer guide ways	International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (2016)	----- ---	----- -----
11	Pannu A S, Singh S, Dhawan V Singh J	Development of Natural Fiber reinforced fully biodegradable composite rod	National Conference on Prodection Engineering (2016)	2315-4527	10.17706/ijmse
12	Singh L	Thermal Spray Coatings A Boon for Surface Engineering and tribology	4 th International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME 2016)	----- ---	----- -----
13	Singh J, Singh H, Singh M, Chatha S S	Effect of Tool Pin Configuration and Welding Parameters on Microstructure and Mechanical Properties of Friction Stir Welded joints of Dissimilar Aluminium alloys	International Conference on Advancements in Engineering & Technology (ICAET-2016)	978-81-924893-1-5	----- -----
14	Kumar M, Singh S, FarwahA H S	Characterization of Magnetic Abrasives prepared by Sintering Process.	4 th International Conference on Production & Industrial Engineering Organized by: NIT Jalandhar, 2016.	----- ---	----- -----
15	Farwaha H S, Singh S, Singh G	Design and performance of Magnetic abrasive finishing setup for finishing of extended surfaces	AFTMME'2016. volume 5, no 1, pp 1-4	2249-6289	
16	Singh, J.	Assessment of factors affecting the growth of Textile and clothing Industry in Punjab-A case study	XX Annual International Conference of Society of Operations Management (SOM-2016), 2016, pp.101.		

17	Singh J., and Singh M.	Assessment of Lean tools implementations in autoparts industries of Ludhiana	National Conference on Production Engineering (COPE-2016) (Published in serial publications Vol.9,issue-1,Jan-16, pp.53-59.		
18	Singh A., and Singh J.	Identification and Analysis of various delays affecting machine utilization in a tractor part industry using work sampling technique	3rd National conference on advancements in simulation and experimental technique in Mechanical Engineering (NCASEme-2016) 26-27th Feb.2016, pp.325-330		
19	Singh, G, Singh, H and Kumar, R	Delivery Performance Measurement in Supply Chain Management: - A Review Paper	Proceedings of National Conference on Advancements in Simulation & Experimental Techniques in Mechanical Engineering (NCASEme-2016) scheduled to be held at CHANDIGARH UNIVERSITY, Gharuan, Mohali, Punjab 2016.	----- ---	----- -----
20	Chandel, R., Singh, H. and Kumar, R.	Evaluation of Heat Loss Factors of Steam Turbine for Thermal Power Plants using MCDM approach	Proceedings of National Conference on Advancements in Simulation & Experimental Techniques in Mechanical Engineering (NCASEme-2016) scheduled to be held at CHANDIGARH UNIVERSITY, Gharuan, Mohali, Punjab, 2016.	----- ---	----- -----
21	Singh, S., Singh, H. and Kumar, R.	Ranking of equipment's on the basis of criticality: a case study	Proceedings of National Conference on Advancements in Simulation & Experimental Techniques in Mechanical Engineering (NCASEme-2016) scheduled to be held at CHANDIGARH UNIVERSITY, Gharuan, Mohali, Punjab, 2016.	----- ---	----- -----
22	Singh, H., Singh, J. and Singh, G.	Impact of SPC tools on manufacturing Industry of Punjab- An Empirical Investigation	Proceedings of National Conference on Industrial Engineering and Technology Management, NITIE, 2016	----- ---	----- -----
23	Singh A, Singh J	Identification and Analysis of various delays affecting machine utilization in a tractor part industry using Work Sampling Technique	3 rd National conference on Advancements in Simulation and Experimental Techniques in Mechanical Engineering (NCASEme-2016)	----- ---	----- -----
24	Singh J P, Singh H, Singh J, Singh P R	Enigma of Quality Control Tools in Manufacturing Industry	National Conference on Production Engineering, 2016	----- ---	----- -----

25	Singh J, Singh G	Influence of Input Process Parameters in Internal Surface finishing and ceramic tubes using bonded Magnetic Abrasives	International Conference on Research Innovations in Engineering and Technology, 2016	978-93-856181-6-1	----- -----
26	Singh S, Singh H, Kumar R	Ranking on Equipments on the Basis of Critically: A Case Study	3 rd National Conference on Advancements in Simulation & Experimental Techniques in Mechanical Engineering (NCASme-2016)	ISBN: 978-81-930789-2-1	----- -----